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TRANSMITTAL FORM

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Total Number of Pages in This Submission

18

Application Number

10/815,453

Filing Date

March 31, 2004

First Named Inventor

Ricardo E. Gonzalez

Art Unit

2142

Examiner Name

Andrew T. Caldwell

Attorney Docket Number

PA2718US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	4) Copies of 22 cited nonpatent references;
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		5) List of co-pending applications.
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Carr & Ferrell LLP		Cust. No. 22830
Signature	<i>Peter L. Holland</i>		
Printed name	Peter L. Holland		
Date	June 6, 2007	Reg. No.	57,113

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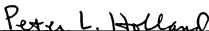


IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Ricardo E. Gonzalez et al.
APPLICATION NO.: 10/815,453
FILED: March 31, 2004
TITLE: Configuring a Multi-Processor System
EXAMINER: Andrew T. Caldwell
GROUP ART UNIT: 2142
ATTY.DKT.NO.: PA2718US

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Under 37 C.F.R. §§ 1.56, and 1.97-1.98

SIR:

Pursuant to the provisions of 37 C.F.R. §§ 1.56 and 1.97-98 of the Rules of Practice in Patent Cases, enclosed herewith is form PTO-SB-08, listing several references, and a list of Co-Pending Applications.

The Examiner is requested to make these references of official record in the application. The references cited may be material to examination of the application and are submitted in compliance with Applicant's duty of disclosure as defined by 37 C.F.R. § 1.56. No representation is made or intended as to the completeness of this list, nor is the inclusion of any reference on this list an admission that it is prior art or pertinent to this application.

Applicant believes no fee is due with this submission. If a fee is due, however, the Commissioner is hereby authorized to charge any necessary fee to Account Number 06-0600. A copy of this statement is submitted in duplicate for this purpose.

Respectfully submitted,
Ricardo E. Gonzalez et al.

June 6, 2007

By: _____



Peter L. Holland, Reg. No. 57,113

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JUN 08 2007

PTO/SB/08A (09-06)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 6

Complete if Known

Application Number 10/815,453
Filing Date March 31, 2004
First Named Inventor Ricardo E. Gonzalez
Art Unit 2142
Examiner Name Andrew T. Caldwell
Attorney Docket Number PA2718US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/M.M./	US-	6,698,015 B1	02-24-2004	Moberg et al.	
/M.M./	US-	6,799,236 B1	09-28-2004	Dice et al.	
/M.M./	US-	5,822,588	10-13-1998	Sterling et al.	
/M.M./	US-	6,817,013 B2	11-09-2004	Tabata et al.	
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/M.M./	US-	7,178,062 B1	02-13-2007	Dice	
/M.M./	US-	5,999,734	12-07-1999	Willis et al.	
/M.M./	US-	6,622,233 B1	09-16-2003	Gilson	
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/M.M./	US-	5,956,518	09-21-1999	DeHon et al.	
/M.M./	US-	2004/0019765 A1	01-29-2004	Klein, Jr.	
/M.M./	US-	5,361,373	11-01-1994	Gilson	
/M.M./	US-	2005/0166038 A1	07-28-2005	Wang et al.	
/M.M./	US-	5,488,612	01-30-1996	Heybruck	
/M.M./	US-	5,258,668	11-02-1993	Cliff et al.	
/M.M./	US-	5,260,610	11-09-1993	Pedersen et al.	
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/M.M./	US-	5,274,581	12-28-1993	Cliff et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	* ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/M.M./	EP	0 668 659 A2	08-23-1995	Pilkington Germany		
/M.M./	EP	0 507 507 A2	10-07-1992	American Telephone		
/M.M./	TW	152,994	07-22-2002	Adaptive Silicon, Inc.		
/M.M./	TW	168,210	04-15-2003	Adaptive Silicon, Inc.		
/M.M./	TW	152,355	07-10-2002	Adaptive Silicon, Inc.		

Examiner Signature

/Marshall Mcleod/

Date

Considered

04/09/2008

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STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/815,453
Filing Date	March 31, 2004
First Named Inventor	Ricardo E. Gonzalez
Art Unit	2142
Examiner Name	Andrew T. Caldwell
Attorney Docket Number	PA2718US

Sheet 2 of 6

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
/M.M./		US- 5,343,406	08-30-1994	Freeman et al.	
/M.M./		US- 5,414,377	05-09-1995	Freidin	
/M.M./		US- 5,726,584	03-10-1998	Freidin	
/M.M./		US- 5,426,378	06-20-1995	Ong	
/M.M./		US- 5,920,202	07-06-1999	Young et al.	
/M.M./		US- 5,926,036	07-20-1999	Cliff et al.	
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/M.M./		US- 5,986,465	11-16-1999	Mendet	
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/M.M./		US- 6,633,181 B1	10-14-2003	Rupp	
/M.M./		US- 5,357,152	10-18-1994	Jennings, III et al.	
/M.M./		US- 5,742,180	04-21-1998	DeHon et al.	
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/M.M./		US- 4,635,261	01-06-1987	Anderson et al.	
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/M.M./		US- 4,893,311	01-09-1990	Hunter et al.	
/M.M./		US- 6,353,841 B1	03-05-2002	Marshall et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Date Considered 04/09/2008

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First Named Inventor	Ricardo E. Gonzalez
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Examiner Name	Andrew T. Caldwell
Attorney Docket Number	PA2718US

Sheet 3 of 6

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		Number-Kind Code ² (if known)			
/M.M./		US- 6,237,079 B1	05-22-2001	Stoney	
/M.M./		US- 5,488,612	01-30-1996	Heybruck	
/M.M./		US- 5,847,578	12-08-1998	Noakes et al.	
/M.M./		US- 6,415,424 B1	07-02-2002	Arimilli et al.	
/M.M./		US- 6,795,900 B1	09-21-2004	Miller et al.	
/M.M./		US- 5,682,493	10-28-1997	Yung et al.	
/M.M./		US- 6,219,628 B1	04-17-2001	Kodosky et al.	
/M.M./		US- 5,652,875	07-29-1997	Taylor	
/M.M./		US- 5,696,956	12-09-1997	Razdan et al.	
/M.M./		US- 5,784,636	07-21-1998	Rupp	
/M.M./		US- 5,819,064	10-06-1998	Razdan et al.	
/M.M./		US- 6,732,354 B2	05-04-2004	Ebeling et al.	
/M.M./		US- 2003/0097546 A1	05-22-2003	Taylor	
/M.M./		US- 2003/0108119 A1	06-12-2003	Mohebbi et al.	
/M.M./		US- 6,721,884 B1	04-13-2004	De Oliveira Kastrup Pereira et al.	
/M.M./		US- 6,426,648 B1	07-30-2002	Rupp	
/M.M./		US- 7,062,520 B2	06-13-2006	Rupp	
/M.M./		US- 6,857,110 B1	02-15-2005	Rupp et al.	
/M.M./		US- 6,744,274 B1	06-01-2004	Arnold et al.	

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Application Number	10/815,453
Filing Date	March 31, 2004
First Named Inventor	Ricardo E. Gonzalez
Art Unit	2142
Examiner Name	Andrew T. Caldwell
Attorney Docket Number	PA2718US

[illegible][illegible]

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Application Number	10/815,453
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Art Unit	2142
Examiner Name	Andrew T. Caldwell
Attorney Docket Number	PA2718US

Sheet 5

of

6

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/M.M./		BEECK et al., "CRISP: A Template for Reconfigurable Instruction Set Processors," FPL 2001, LNCS 2147, pp. 296-305, Springer-Verlag Berlin Heidelberg, 2001.	
/M.M./		BECHADE et al., "Programmable Arithmetic/Logic Circuits," IBM Technical Disclosure Bulletin, U. S. IBM Corp., New York, Vol. 3, No. 11, April 1981, pp. 4870-4873, XP-000713711.	
/M.M./		DEHON, ANDRE, "Transit Note #118 Notes on Coupling Processors with Reconfigurable Logic," M.I.T. Transit Project, Last Updated March 21, 1995.	
/M.M./		TANENBAUM, ANDREW S., "Modern Operating Systems," 2001, 2nd edition, Prentice Hall, New Jersey, p. 31.	
/M.M./		HENNESSY, JOHN L. and DAVID A. PATTERSON, "Computer Organization and Design: The Hardware/Software Interface," 1998, 2nd edition, Morgan Kaufmann Publishers, Inc., San Francisco, CA, p. 345.	
/M.M./		LEE, K.C., "A Virtual Bus Architecture for Dynamic Parallel Processing," February 1993, IEEE Transactions on Parallel and Distributed Systems, Vol. 4, No. 2, pp. 121-130.	
/M.M./		GOLDBLATT, KIM, "The Low-Cost, Efficient Serial Configuration of Spartan FPGAs," November 13, 1998, XAPP098 (Version 1.0), XILINX.	
/M.M./		SCOTT, STEVEN L. and GREGORY M. THORSON, "The Cray T3E Network: Adaptive Routing in a High Performance 3D Torus," August 15-16, 1996, HOT Interconnects IV, Stanford University.	
/M.M./		GOLESTANI, S. JAMALODDIN, "A Stop-and-Go Queuing Framework for Congestion Management," 1990, Proc. of the ACM Symposium on Communications Architectures & Protocols, ACM Press, New York, NY, pp. 8-18.	
/M.M./		DALLY, WILLIAM J. and CHARLES L. SEITZ, "Deadlock Free Message Routing in Multiprocessor Interconnection Networks," May 10, 1985, Computer Science Department, California Institute of Technology.	

Examiner Signature	/Marshall Mcleod/	Date Considered	04/09/2008
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Sheet 6	of 6	Attorney Docket Number PA2718US	

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/M.M./		GARLAN, DAVID and MARY SHAW, "An Introduction to Software Architecture," January 1994, CMU-CS-94-166, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA.	
/M.M./		INTEL and HEWLETT-PACKARD, "IA-64 Application Instruction Set Architecture Guide," Revision 1.0, 1999, pp. C-1 through C.	
/M.M./		HWANG, KAI, "Advanced Computer Architecture: Parallelism, Scalability, Programmability," 1993, McGraw Hill, pp. 182-183.	
/M.M./		YE, Z.A. et al., "CHIMAERA: a high-performance architecture with a tightly-coupled reconfigurable functional unit," June 10-14, 2000, Proc. of the 27th International Symposium on Computer Architecture, pp. 225-235.	
/M.M./		MIPS Technologies, Inc., "MIPS Extension for Digital Media with 3D," 1996, pp. 1-26.	
/M.M./		BORGATTI, MICHELE et al., "A Reconfigurable System featuring Dynamically Extensible Embedded Microprocessor, FPGA and Customisable I/O," 2002, IEEE Custom Integrated Circuits Conference, pp. 1-4.	
/M.M./		RAZDAN, RAHUL and MICHAEL D. SMITH, "A High-Performance Microarchitecture with Hardware-Programmable Functional Units," November 1994, Proc. of MICRO-27, pp. 1-9.	

Examiner Signature	/Marshall Mcleod/	Date Considered	04/09/2008
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/815,453
Filing Date	March 31, 2004
First Named Inventor	Ricardo E. Gonzalez
Art Unit	2142
Examiner Name	Andrew T. Caldwell
Attorney Docket Number	PA2718US

Sheet 1 of 6

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/M.M./		US- 6,698,015 B1	02-24-2004	Moberg et al.	
/M.M./		US- 6,799,236 B1	09-28-2004	Dice et al.	
/M.M./		US- 5,822,588	10-13-1998	Sterling et al.	
/M.M./		US- 6,817,013 B2	11-09-2004	Tabata et al.	
/M.M./		US- 6,968,544 B1	11-22-2005	Schneider	
/M.M./		US- 7,178,062 B1	02-13-2007	Dice	
/M.M./		US- 5,999,734	12-07-1999	Willis et al.	
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/M.M./		US- 5,361,373	11-01-1994	Gilson	
/M.M./		US- 2005/0166038 A1	07-28-2005	Wang et al.	
/M.M./		US- 5,488,612	01-30-1996	Heybruck	
/M.M./		US- 5,258,668	11-02-1993	Cliff et al.	
/M.M./		US- 5,260,610	11-09-1993	Pedersen et al.	
/M.M./		US- 5,260,611	11-09-1993	Cliff et al.	
/M.M./		US- 5,274,581	12-28-1993	Cliff et al.	

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		Country Code* Number* Kind Code* (if known)				
/M.M./		EP 0 668 659 A2	08-23-1995	Pilkington Germany		
/M.M./		EP 0 507 507 A2	10-07-1992	American Telephone		
/M.M./		TW 152,994	07-22-2002	Adaptive Silicon, Inc.		
/M.M./		TW 168,210	04-15-2003	Adaptive Silicon, Inc.		
/M.M./		TW 152,355	07-10-2002	Adaptive Silicon, Inc.		

Examiner Signature	/Marshall Mcleod/	Date Considered	04/09/2008
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Application Number	10/815,453
Filing Date	March 31, 2004
First Named Inventor	Ricardo E. Gonzalez
Art Unit	2142
Examiner Name	Andrew T. Caldwell
Attorney Docket Number	PA2718US

Sheet **2** of **6****U. S. PATENT DOCUMENTS**

Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/M.M./		US- 5,343,406	08-30-1994	Freeman et al.	
/M.M./		US- 5,414,377	05-09-1995	Freidin	
/M.M./		US- 5,726,584	03-10-1998	Freidin	
/M.M./		US- 5,426,378	06-20-1995	Ong	
/M.M./		US- 5,920,202	07-06-1999	Young et al.	
/M.M./		US- 5,926,036	07-20-1999	Cliff et al.	
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/M.M./		US- 5,977,793	11-02-1999	Reddy et al.	
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/M.M./		US- 5,742,180	04-21-1998	DeHon et al.	
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Sheet	3	of	6
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Application Number	10/815,453
Filing Date	March 31, 2004
First Named Inventor	Ricardo E. Gonzalez
Art Unit	2142
Examiner Name	Andrew T. Caldwell
Attorney Docket Number	PA2718US

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/M.M./		US- 6,237,079 B1	05-22-2001	Stoney	
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Filing Date	March 31, 2004
First Named Inventor	Ricardo E. Gonzalez
Art Unit	2142
Examiner Name	Andrew T. Caldwell
Attorney Docket Number	PA2718US

Sheet	4	of	6
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U. S. PATENT DOCUMENTS

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/815,453		
		Filing Date	March 31, 2004		
		First Named Inventor	Ricardo E. Gonzalez		
		Art Unit	2142		
		Examiner Name	Andrew T. Caldwell		
Sheet	5	of	6	Attorney Docket Number	PA2718US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/M.M./		BEECK et al., "CRISP: A Template for Reconfigurable Instruction Set Processors," FPL 2001, LNCS 2147, pp. 296-305, Springer-Verlag Berlin Heidelberg, 2001.	
/M.M./		BECHADE et al., "Programmable Arithmetic/Logic Circuits," IBM Technical Disclosure Bulletin, U. S. IBM Corp., New York, Vol. 3, No. 11, April 1981, pp. 4870-4873, XP-000713711.	
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/M.M./		HENNESSY, JOHN L. and DAVID A. PATTERSON, "Computer Organization and Design: The Hardware/Software Interface," 1998, 2nd edition, Morgan Kaufmann Publishers, Inc., San Francisco, CA, p. 345.	
/M.M./		LEE, K.C., "A Virtual Bus Architecture for Dynamic Parallel Processing," February 1993, IEEE Transactions on Parallel and Distributed Systems, Vol. 4, No. 2, pp. 121-130.	
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Sheet 6

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/M.M./		BORGATTI, MICHELE et al., "A Reconfigurable System featuring Dynamically Extensible Embedded Microprocessor, FPGA and Customisable I/O," 2002, IEEE Custom Integrated Circuits Conference, pp. 1-4.	
/M.M./		RAZDAN, RAHUL and MICHAEL D. SMITH, "A High-Performance Microarchitecture with Hardware-Programmable Functional Units," November 1994, Proc. of MICRO-27, pp. 1-9.	

Examiner
Signature

/Marshall Mcleod/

Date
Considered

04/09/2008

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IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Ricardo E. Gonzalez et al.
 APPLICATION NO.: 10/815,453
 FILED: March 31, 2004
 TITLE: Configuring a Multi-Processor System
 EXAMINER: Andrew T. Caldwell
 GROUP ART UNIT: 2142
 ATTY.DKT.NO.: PA2718US

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**List of Co-Pending Patents or Patent Applications That May Be Directed
Towards Similar Subject Matter**

Examiner's Initials	Application Number	First-Named Inventor	Title	Filing Date
/M.M./	10/630,542	Kenneth Williams	Defining Instruction Extensions in a Standard Programming Language	07-29-2003
/M.M./	10/404,706	Scott D. Johnson	Extension Adapter	03-31-2003
/M.M./	10/394,824	Charle' Rupp	Transitive Processing Unit for Performing Complex Operations	03-21-2003
/M.M./	10/686,882	Kenneth Williams	Instruction Set for Efficient Bit Stream and Byte Stream I/O	10-15-2003
/M.M./	10/750,714	Ricardo Gonzalez	Systems and Methods for Software Extensible Multi-Processing	12-31-2003
/M.M./	10/815,453	Ricardo Gonzalez	Configuring a Multi-Processor System	03-31-2004
/M.M./	11/021,247	Ricardo Gonzalez	Systems and Methods for Selecting I/O Interfaces for Configurable Processors	12-21-2004
/M.M./	11/129,146	Ricardo Gonzalez	Long Instruction Word Processing with Instruction Extensions	05-12-2005
/M.M./	11/099,280	Jeffrey M. Arnold	Video Processing System with Reconfigurable Instructions	04-04-2005
/M.M./	11/204,555	Jeffrey M. Arnold	Programmable Logic Configuration for Instruction Extensions	08-15-2005
Examiner's Signature:	/Marshall Mcleod/			Date 04/09/2008